

Last Levus terrarius & 12687 Perilipus chapmani 12686 4 4 2676 11 1 2676 11 Capt. Vicente R. c Nacin, administrador of the Constoner Horese at Sinto Donningo, Sonora, gave rue the following thereau rances, withing them house f: Hawk = Savilan Bull Snake = Alicante, alicante. Coloredestes Sarrion. Elder (Sanbucus) = Dauco Xanthium canadensis - Cadillo Tessaria bore dis? = Cachanilla. Bace haris = Batamote. Ceruis giganteus = Sahuara.

" = Oilaya.
" = Cinita. Mr. W. S. Slurges
La Osa, Pima leo.,
Arizona Leg.
Mr. Cahas. 18: Logan.
D. M. Claph.
Junior, Arizona Ly. * Sagebrush = Chamizon a Course Composite - Chicura. (Specimentary - Rama amarilla. Sheasewood = Sohernadora.o Hediondilla and is used much as a remedy for Theumaterin mi man and (astima?/in wrec. I lant with waxy leaves and purple flowers = Quanviv. Mr. C. W. Kempton El Volador mine Oro Blanco

Penia Cor, Cerizona.

White-Miron ton Swigt. - and Mountain

Blue for osbeak young at Met Sprag.

Cal. May 12, 1894

Manuals at Truagas alting Felis concolor? - Fracks; perhaps Lynx baileys: - Fracks. Caris latrans . - abundant. V Traffed as they went for water to the lands both below talore. Vroeyon V. scotlii - hocks. Uls. Wheeler trapped me last year Vielpes macrotis. - Tracks on the plan Taxidea. - Burrous very numerous. They probably dig out Depodory, The Segris of Sken No. T Bassalis astuta. - Signs werywhen in the Tuto. W. Wheeler sent me a Mull from the Sila Mountains, near Tinajas. Two Species of Bats collected They flew over the tranks. The largest species was daytine. Queletocapra americaria.

Tracks between Tule Wells

4 Yinajas altus, on a plani

[no signs of deer.] Ovis montana. Seen three Inies. One herd of 6 me

1 of 3. + again one of 3/23+14.

2 shot one female. Homs
by seores at Indians fires
the altered all about.

Tepus tagranius. - Comman
about Finagus. One seen on the opposite side of the The Mountains on the edge of the desert. Fracks seen The Juna Desert 2 Gecuing The Juna Desert 2 Gecuing Thus arisonate. - Several sem From Coth sedes of Sile hits Mo signs of Thomony J. Defodomys deserti. Signs evarwhere; none traffed Defodomys. - Specimens of Jur small species traffed transis

(Munualsof Generals telto) Notoma .- Ce pale form; one specimis Litomys gremeirs. - asmall I slowers elie & the Tanks Tamas harris - a hale form Very concuron Tamin; always Vin rocks Hand - 2 si socka. Freeds in mesquite Spermophilus Corelicandus. Scarce! Marda. of some quail seen in sandy emons in both the Julet Gelalts. [no doors seen.] Cabhartes aura - Commonly see Though then must be little food. Buter borralis Calurus. Often Quela Chryscietos. Quer luo. no syns of nests. Haleo Mexicanius. - One or sino ser 15 miles west of the Gila Vitts on your Beset Faleo sparverius deserbeolers Common. about the Mits., as they were about the Voles. Probably bread in holes in the Mocks. asio vilsomanis. Feather probably of this Owl mi Convoyer of Sito Mits, When there are trees. Bubo vij, sobareticus- a few. Devocky saliformains one seen here & one at Jule. Doyobates baisoli. - Leveral. Melanespes uropygiales. Common Leglaptes e aper I Several see Califitae costae - Very abundant Mitters a sond like fax. from small hole in Juje. Both sexes abundant First Deen at Poro de Juis. Sayonis Daya. - Common. It likes the canons + works

(Brids of Finejas alter) allitude 15 tropest. Coveres Q. simuatus. - Common.

Mating; courting; so sentte

that we could almost louch Then when freding, an our arrival in flocks of 3-6. Sturnella niglecta. - Two seen an the plani, ferelied in a vehiclella, 4 chron 21st Carpodacus m. frontalis: Hocks. Zonotrichia intermedia - a few. Amphispise belli nevadensis. - "
Comphispise belli nevadensis. - "
Comphispise belli nevadensis. - Scarce Pepilo Chlorusiis .- Am Hebr. 20. Myunopepla hiteus. - Comma; suje Lamins l. excubitorides. - a fun! Relumbhophila C. butescens. - "
D Indroica andubori . One Hetr. 19. Oroseoptis montams. Lutis common Minnis poly flottos ". Ane Caryhtin mammal Trest Harporhynchur lecontei. not rare in the plani cast of Sita Mets. On wounded 2 miles 2, of Sinages Heleoclytes brunnereapillus. Sauce Calpinetes obsoletus. - Coruma; Twoglodytes acidon aglieus. a fun Aurepans florocips, -a few; brancis. Tegulus calendula. - Deveralse 10 j. T. 1. 1. 181. - Common. Tolioptila flumbia. - Common. Merula m. Jeropungua. - a few. Freding on westletor of cronwood Jealoverdet mesquites. Conces Vialia mexicana. - Flocks to the lands for water Jeeding in susletor, but Lialia arctica. - duite numerous. Very transform when watery at the tanks. Thanks at Imagas allas: -Tronwood - he all the arrayos prolonged across the plan-from the Potagonia William

Pluse to Fringes de tus p. dronwoods are kommon in canons of Gilallis, ixlanding alone arrayos some 5 6, 10 miles west of them and them Targe-Claved Patorerde Como hi Cañons + arroyos. Kanyn much as along. Small leaved Paloverde - do do Meogrite - The tric acacia ceacia - The tric acacia is sommon in arroyos. forme mall shub acacias also occur a small tree with blowns Commonly in canons of the Silu luts. (No. Agave. - Common on the The Mits. Specimens. Mastyriai - a smoth deged Species is abundant n the Geta Wels. Some were very large, with candex about 20 to 25 feet his, heads 6 feet; flower Blacks & feet, make the lattest of their about 30 to 35 feet of their good to top of lower stalk Toolfledon nevadensis? - I fond this in Bloody Basen Navapair Co., Ceregoia and News not seen it again mitil we reached the Sola mountains where it is abundant. of flowering per with redded Species vere also taken of a yellow composite with whitish leaves + red fl. Mathen prostrale plant along arrayor These are characteristic, from Suntovaquito & Junajas in arroyos, and illract thuming berros (C. Costat). Jourds (Quenium hand-leaved) with roots 4ft long + a foot in drameter were common on

Plants of Tenajas altus)
arroyos. Specinicus of Frantage.
Forgueria. - Ceoninou on Mitsten
the adjacent flain. Some with
slews 5 meter in dumeter,
Next flowering wow. at fors
Juis governe were Morremine. Juis Jaoure were flowering in? Ephedra - a species was common for the Grandition take . Houring Daterra . - Decement take . Houring Common in canons of the Tela Ills. Nilotania. - a small ofecis was common in canons. Also flower Juysalis. Speculus latter The Cactures of the Great Utts were the small Species resembling Cholla a small fecies of Platopuntia, a enfundro puntia called "lasajo" by thereans, lecruis grantens, a small terries? hair very long opins, a red-spired, handsome technocactus, a small species with sluder dishbor spines (the longest), of ecurers of all taken Cen the planes is a coarse manifelioria Vegitation at adonde. Mesquites. - abundant mas the Elli Tornillas. - Scarce on dyarry Jange-leaved Paloverde do The Denall-leaved Paloverde was not seen. Collowoods & Common on revilance Cerius giganteus. - Humerous whene
the footbells approach the river.
Those on the reverbottom
The loose soil of the Sila
rooms-bottom is dovered with a plant having flesly leaves (specimins)
The purple-fl. arrowward grows, mean the water of an the largest arroyers Mistelor Covers mesquites Xanthuin Canadensis on the boarse rushes on slues.

(Vegitation at adonde) Bucchanis (Muy. Batamente) Course was Jacobans (My. 1 Salamote) (fromth of Jessana porralys (achanica) the rows (achanica) the rows (achanica) the rows in arroyos; no smaller ofecies sum "Mangle". This name was given me by Derranti & is very likely wrong, as other mencais told me of another tree called Mangle. It is a Oping tree growing in arroyos. I frist got in mi arroyos. I frist got in mi arroyos. I foronta Privar at Suitovaglieto, afterwards at Julovaglito, afterwards at hele Wells, and at adonde ad there to near Italia City. It also rows in arrayor at the Sila River war Olla Bend. Datura .- Some for see. a few precuent of Howard annals work taken Brids at adonde Sidny: Podelymbus podreife - a few a lakes er chareas near At Gila Rur .. Unas boschas ana Euroliumsis Chas eymoplina on Gila River. anas americana Anas strepera Spatula chipeata Dafila genta ardea herridias .-Julica ameneand - Chareas Tullenago delicata, One on Sila Tringa himmitela. and on the Gla Actitis maculara - Charcas. Totames soltariis .- Oue an Foldis vocifera. - Common.
Callefefla gambeli - Common.
[no doors seen; water too bracking,
Cathartes aura. - Common.

(Bands at Cedonde). Accipiter Vilox. - Coneman. Buter borralis Calurus. - Commo. Halco muxicana. Ouc. Fialco peregnus anatum. - One chasin ducts on Sala Rwir. Vialeo sparvarius deserticolus. Discorcy californamis-Comm In Kniffishus sem Dryobalis s. barrdi. - Comme. Melanerpes uropygialis. - Commo Colaptes chrysoides, - One levlaptes eafer - Commo [n. Swifts or Henniers.] Sayonis mineaus. - On the bila Private; matings Expidonar presens la Mue seen ; stot, agelains p. sonorinais - a few andels Sturmella .- a few sen. ammodrames, s. alaworius, - a / kun Forotrisha intermedia. Commor. Spizilla brawni. - Scarce. [No. Jomcos wisted Warsaw.] Amphis pija bilniesta - Searce Apphispija billi nevadensis Commen Melospija J. fallar Com; Denging Melospija linealni. - Searce. Pipulo aberti - Frist Deman M. boundary survey. Common evarywhere in the Gela botto Pipilo Chlorurus. - One. Stelgedofteryx serripensis. Comua Offarnopepla intens. - Common Dondroica anderboni. - li fen. Sev Milyfis h. vocidentalis, - Curuali Anthis pensilvanions - Common [no Minis + vry few Croscoptes. They do not lite brackish water. Oposcoples montanes. Queertus Kearportynchus lecontei: - Que. Hearporleys Pressalis. - Common Reclaration trunsecapillas .- Common

(Birds of adonde.) Salpinetes obsoletus. - One. Toglodytes aëdon astreus. Scarce letetothorus palustris. - a few. auriparus flaviceps - Common. Regulus Calendula. - Several. Tolioptela plumbea. Common; proj Merula myratoria proprigna. - Much Manuals at adoude. Typy bailey - Tracko.
Canis latrans. - One sowanu the Sila Pervir to get a possoned bait (brid) and died Very Common. Oue shot. Urveyon Reveroancelaters seatte Gulfes macrotid. Taridea. - fourrows. I voegon hernandezii. - a raceon was thrapped in two no 3 double Spring steel traps. Left a too in once trap, and brok chain of other trat + dragged it 5 or yards to large fale in which he lived. When trying to dig him out and with fir The track Bats - a few at right. Thus texeaus. - a number seen homomys. - Thesh mounds in hur places, mar a charca". Now have been seen since about monument W. 81, on Ath Jule Desert. Dipodomys deserti. - Common [Mo other Dipodomys was found.] Castor canadensis. - Old Syris. Residents Day that there have been beares on the four Sila since the flood The all out. One wear told me that they are now-working extensively at Mohawk on the Vila.

(Manumals at Odorde :) Neotoma . - Common speciale Motoma . - Common spreading moder the low spreading mesquetes + mi files of driftage briede the Gilla. Denaral were traffed. Darter than two laker at Jule Wells & Jinggas Ditomp cremens - a emale form of this group was traffed on an arroyo south of the PR. It does not been in the Sela bollow Probably the Dame as a Sumber of specureus From Finayas actus in The Glands, on the lame. Sitomy's sonoraisis. a mouse of this group is abundant in piles of shiftage beside the Gila Sitorings (Short, brevloved lail)
This mouse reaffears, after
lagingulation lost sight of
at the Saida Cerus River. First
found at early near May oraigh
To mules west of the Rio Strande
Therefore darup ground Spermoflulus Verelicandus - Commo Tamias parrisi was abundant, in the Great noted on the plani mas last noted on the plani medway between Imajas alters + adonde. It was not seen again until ur camped on the Gila Ruir. ex beauty of the Sela Ults. I Exceptes torquaties. - When questioning there cans at Gela lity as to whether there were one of these in that vicinity, Killed Them on a hill near where The boundary line strikes the Colonda

Ceptiles, Batraclians & Gusties at adonde no serpents were seen. Small Ligards Were Corumon. One must Justle was caught in the Tila Pewer & put in alcohol a Charca or over flow pool words long that as wide was seried & yielded one small species of frish of short we shout brield. After that we service the Gila River + caught the above species + one other small slender fish. These lorse fut in alcohol meither the Sonogta or Fowers

Sila yilding any feeres of

Rama Cet Seulobaquita

France a large, toad like

From was Raftured, though

at orffeared to be the orly

one. Gila Cety, Merma Co, Augona.
This is an extruet Settlement, 15 miles above Munia, on the left bank of Ap Sila River, Wi were Earnful there from March. Manunals. Lyny baileyi. Is said to Viz common. We saw tracks Vaside The Gila Truir. Curis lavans. - abundant. Urveyon virginiains. - Fracels. Mephitis - numerous Vracells and whells. Proceyou hemandezii. - abunday Very man, track. One traffed in steel trap, but Paraeus mexicains. - Said & be common in neighbring Ults, north of the Gila Pours.

(Maninals at Gila Ceity.) Topus auzona. Common Depodomys meriami. Common Depodomys deserti. Common of the Lita Hivir.
Perignalhus - Obundant
Pastor canadensis - Not now here, Though I was a few years go Faber Robellieus. I met two traffers at young who had Profiters at Guma who was for the Congona fortion of the Sola Roser. They seried they saw no sepisofter with saw no sepisofter Ollers. WI saw no sepis Neotoma - Signs, Some latte.
Original take.
Sitomys somoniusis - abrudant Sitonings "bicolor - Common Tamas harrisi - Luo seen. Spermophilus Vielicandus C fen Buids, at Gila City. Podelymbus Jodechs. a few Chas boschas. - Man, Kelled anas strifera - Our flock anas ameneana. a few. Anas carolineusis. Many Kelled Anas descors - Our flock anar Eyanoptera. 4 seen. Statula elipeata. Common Dafila acuta - Commo Aythya americana. - a few Aghins. a few Andra velidentalis. - Commo. Andra herodas. - Commo. Trus mer cana. - Hlock flyng vor, some times alighting. Fulica americana. Comoon. Gallinigo delicata - Helv. Frinça minitilla - Flocies. Tolutius melanoleneus. - Common Agialitis vocifera. - Commo. Callipopla gambeli. - a few.

(Birds at Gla Bit,) (no Doves.) Cathartes anna . Commo ... Come seen. Buteo borralis calurus. Faleo mexicains. - a frie female was sho while trying to fly off with a healto, of duck. Bot secured at on shot Talco of de serticolus - Secretal
Buton invanianies subarcheus
George californiamo
(200 Ringisters)
Dorobales sealaris baixali).
Melanespes urupy gialis france
Colaptes Caper. Se fiir.
Colaptes caper. Se fiir.
Colaptes chrysondes. Two Seen Several Hummers; not edulafical.) Myrarcher Demerascens. Our Sayornis Daya & Common. Sayornis myricans & Common. Elipidonax griseus. - a fore. Molotheres aler alocurus. Eflock Agilaius p. sonoriensis. - a feu Humella neglecta, - Ce fen. Carpodiens matreams frontalis Tovraetes grammens. - a fen anmodrames o alandinis. do Chondustes & strigatus. Two. Aprilla briweri' - Commo. Meliospija b. nevadeusis. a few. Meliospija I. fallay. - Commo Melospija Umeolni. - a few. Comes out at night. Cassies its land procot like a Wran. See baside the water at night. Pipilo EleConerus. - One. Pipilo abartis. Ven comma notes litte irate robins, (no eardinales seen)

Aufligfuja belineata.

Tachycineta Whalassina. - Flock on Gila Rivan May 2, 1894 Thirt

(Birds at Theality.) Steljidofteny Perrifiumis. Common Hamosepla vitens. Common Lamis l. exceptiondes. Common Heelmenthoffula Pelata. - a few. Dendroiea anduboni. Common Geothlypis to or Endewalis . - a few author penselvaniens. - One or two. Menies poly doltos. Que es two Hourforty wohns Crissalis. afew Orosentes montamos. Her. Heleodytes Inunereapellus Salpenetes absolctus Cotteers. theorpes un conspersus Lila Mits Trojlodytes aidon aglicus. Car Ce flothorus f. paludicola. Selestin Regulus Calendula. - a few. Mistila flembra. abundant.

Mistila flembra. abundant.

Mistila mi pulfangia

(Ma Blieburio sceni) Teptilis and Balvachiani at Gila City On smalle and a few Musk Jurtles / Kinosterno Donoriense) were taken. Lyards were common. Ablyner saw a few froze (Kang) Yholus. We served the Sila Pover and got. Gla gracilis, (3 species of small fishes Germens of all preserved in alcohol.) (over)

Vegetation at Dila Celty The trees are Dand ' " Willow and leottonwood along the stream, neither in albundance On the east slope of the Ala Kange une grant Revenues The Sarge leaved Polo Verde goods on all the arroyer as does the tronvoid both extending sharryle to the month of the Sills and also occurred Lolo ado River south the mesquite is the common The Serew Beam (woods pubescens) grew near the River in some places, and extends to the Cool R an acacia (a. preçois? /was arrowwood (Phiehra sericia) and a large species of Bacchais were abundant in the over-bottom.

We Cucumus hovi land.

leaves was found here; but

one It "leoyote Melon" was

found. Decureus of his present

species in fruit I was sent

formaliera & leaves - formations. Houghera & lendens . - Common it the hills; not seen again until we crossed the Colorado at your again in hills sorden and freemens in fl. Collected No Yuecas, Dasilynoi or agains where seen in that portion of Thedra Opporteties was occurs aparigly. Umarantus deflexus. - Ceouman. Datura melalordes ? · Common authur Canadensis Commons Mulabertia Rynan chordes Tome

Vegetation at Lila Cety. The Estasewood is Commo and extends to the Colorado, Tylending down that also and the Sell of the Selling my South at the Sull of the Bell of the Selling aris Winder the fruit ofermeis on salmost 4 metres ligh. Thom Juna to To miles below, The mouth of Hordy Prier (which as pactically Att Gulfor Colifon We were camped at your arion from March 5 to 13. at monement no 204 (Loverlong from Murch 13 to 31 st. During this time I made a trif boek & yma March 20+21. and a tril of sight days There and the arrana and Donorun Side, March 23. 20 3 April 894 Frith mount No. 20 3 April 5 egent March 15+16. At the following foruts: a. Unma, arizona.

6. Mounnent 204, Four Cother 14. C. 10 205: on book of Col. Ceenega Wells' 30 m. S. Mont 204 Colonia Diaz, Donora. e Offosite month of Hardy Kwar The region is inhabited by a few Mexicans ad Indians. The Indians Journ off the Carrier of heref of amaranth at Which destroys many my baileyi? - I saw skris of a peale graysh Syrx in Yuma; and one was Welled Morel & glt

Mammals Col. Rever yma by Mr. Page, a frostictor. It came boldly the whot it with a histol. Tuguel, my Indian (Leves-Pa) Fride said Muy were abund all along in wellowdo Rur; and we saw bracks in man places. The Indians had a few 2 Kins. Canix latrans - abundant. Vulles muerotis. - Dute tommon also whatis the neighbor oferna Desert At the leastward. at nonnent 204 May were very troublesome earry of our manual traps that had caught Depodonys deserti ni had to lay porsion backs for their; Cout wis got none of them. Urveyon v. sevetii hobally Liens, though we saw none string were seen in young, It probably whaters the negliboring mountains if not the sure states. not the overbottom. Lutra canadensis. We traffers who had just reached Ymma from a Lov mile tropping expedition down the Gila River told me that They saw no Oltergrow . Muskrala on Mr Dela River. they had shipped a number of Reaven & Raceous from Who Gila Rivar, but formed no Beavers on the lower Jardia - Said to be common. none were taken. Badeger holes were numerous in places, but appeared to bold,

Mammala of Cevlorado Ruis xI Kuntle - We saw nove, though they are pared to Then are probably no Bears. Procyon - Common all along the Colorado + Ruir + Bila, I found this Joks of Fouts Creek etos ? Sward cre traffed an Bassaris was not seen. Bato of revival opeces were see Cariner mexicanins Howel The month of the Colorador Wila Damestic Hogs in herds roan about where they are dangerous Fors if alluthed! We killed reveral near The Mouth of Hardy Pewir. Skull of one preserved. Decotyles longuatus. This wa did not are. It probably does not occur. The takeost Wester record ablanced by me was South Doungo on the Donoyta. We found Their signs abundant will nario Mito., and our a Theord near Poso de Juis Ovis montana - Megnel x others say they are abundant in all the vocky ranges of Lower Galesonnia. , Palifornia. epus texiamis. Crosses the Yuma Desert, but is rare Ign the middle portion. a pur backs seen at monenest 200 yuna Desert. Olive

Mannals of Ceolorado River.

was ser at Lagunita, mie

miles south of monument 2041

and the Mexicano reside

at monument 204 said they

accasionally saw one, the abundant. Many were seen it the carrier marsless of himf & marauth. he Indiais said there were no coarse - havied swamp marches pordering the Ceolorade Thomomy berhalledur - Two ivere istapped by me at a well in a lieneen 30 miles below workment 204, 2: Louvra. + Mer. Holynen trapped one near mount. 205 a. The left bank of the Ou that portion of the Towar Comer + the smouth of Hardy River Thomonys Typo were very abundant it many places. Similares to ground looked as if it had been recently plougher from the amount of thesh morkings Dapodomy's deserti . - This was abundant along the Gell Kuri, twom adoude to the Coolorado River, except that it was not found in the bottomlands which are outsiet to verflow I covered with an allevial soil, as it is a manual It was found clear account the June Desert to the colorado Run bollon at monument 204, around which stot we trappead a great man is M. it many of their women had been

(Mammats of leaterado Ries.) deal of gain had been speller to the annuals, which the attrocked man, of There manimals & mede a large Golony. The little Owift You (Vulpes macrotis) feed an then I was like wise numerous Meresbouts. We brapped deveral of them set morumen Ivo about mules on the Guna Desert The This manual is formed this desert it is more minues in letter around the edges of it, as along the Alla Alla of Colorado Rivers and along the base of the Grit met with it at Quito Boquito It because abundant on The Sonogta Yewar a few miles contiury A that fromt textended thence to the Geolorado and Gla Rivers and was abundant me bande Doil Mironghout that zue al region It was said to to abundant about the head of the Kelf of California; and rea found Large Colonies of Mein at leolonia Dies out Rest of the Colorado its Right were numerous It places, but as our the Safor Reverbotton non dure traffed last At monument 204, 9

Manmals a Ceolorado River,)
Somelines troffed then during the brightest and hottest hours of the day, in traps sit at All entrances to Their · lenrows in mounds of I and moder garanewood On March 232, 1894, When California from monument 204, & on the meda between Lagunite and Noche Breno, I pair several of then running about during Depotony merciani!

a small Sopodony is common along the Chorse of the Common from Terma to tooloma when of the trapped them at I service places and wherever the soil was To prefer the edge of the mesa where energutes in abundance. - His mammal is exceedingly abundant in the bottom. Pands of the leolorado Pivar on both sides, Extending from your to the Gulf of California Castor Canadeusis, There is a colony of Beaver about 12 wills below Your on a lagoon of the Seven of the were brazing by members of our party

Mammala of the Carlorado R.)

Fiber Dibethieus. - The Indians
told us that muskvats were abundant along the Coolorado. Joan son of their tracks at El Rio, In the Coalifornia side; but we did not get a single Muskrast I along the Verde River at Got Virde they were sommon Son broppers whom I met at your had just geaded the mouth of the Sile River, after a writer's Tird down that Ilvaan. Thing told me that no Lyns of nuskrato or a Sallots were seen by they on the Kila. near Seven Mills, an Salton Ruis, Lower, Cal. o daw a hole at the edgel Atte water which was thought to be a muskrat; but I did not see it planily. There were also piles of brooker shells (anoblouta) such as their feeding places. large Wood Rate are exceedingly numeous on both bides of the Coolorado River from from Young to the Gelful Halifornia. Thete houses the drooping braches of This segron which comonly trail before the fromd; tres show where was Kuts have ground of

7 [Massimalo of Ceol. I. T.) large dections of bark, learning the white, wood exposed. Many of their Largely of gound shells Goyote Melon They. About the dioresul. The gulf of California wood rats the level o avanuas Legnisolon Suspidus arisonae . on both oides of the Colorado Ruir Aron They were especially court about bout of arann on 1 Jardinas bordering the Colorado Rurifette about the worth of Hurde & Rwar. Onychomys - a Marge blecis was found Corner war nommen Setomp sonovenses. - a fun of the mice traffed on the Colorado River affected to be this ofecers. ord some breened to resemble & eremicies; but har wroth next spices Ostomy (Greolored tail) The Torontiful mouse is much the commonest manmal of the Lourn

[(Mammals of the Colorado River) portions of the Tila and Colorado Rivino. Hwas first found on dry ground at our first permanent Camp west at The Rio France (unomment No. 157) and thence to the Coolorador Fla Rwirt Gelf of California as a rule it trough there were this Rule. It is so offereis of meadows + rivitottonos Thorobere wasit soobundant as on the vast Randonas of the lead of the fulf of Colifornia, where love to the educes or the pretty sure to containing one of these ruse or else a letton 18 at in the Morning Man 21 3 Rolloutouts were colon by This mouse while in The traps but so neath, did they extract The flest through a sendle opening in the abdonuen that many of the made Depther odontemys of the made Sitomys minutes - This very small mouse was commented to the start commenter of the start from your to the Stelf In california. He favorite dere growth of arroward (Featrage borade's -old name Mot covers so large a extent of the Colorado Rollomlands

[Mammals of the Coolorado River) Spermoflulus leretieaudus - #1.

Thine, Colifornia, ~ the

pright (ward) bank of the

Redolovado River is the liftlocality of is common along the Lila from adouds to June of down both sides of the colorado to the Gill. it Young ausona it us exceedingly common hartial melano was Noti - no species of Yamas was fond in the teolorado Wing. T. barris mers taken then. Surt sen at the north in send in the Gela Miles, at Bela Miles, at Bela Miles, at Victoria of con . 1. com Codelynebus produces. - Commen exercition from Youna Larus occidentales ?? - Clarge Dull (No. 10,454) 11 2 2 commun I sais to the month of the rizr, Que Mas sedu on March 19th at morning 205 on the Edorado. us delanarensis. The mort abundant Sull at The month of Hardy Person. Cournel shot wo. 10455+104561. It utters a pierong scream alcurry as sharpfas the Larus of that locality. Common at the Sulfoflad. I opposite month of Hardy Purir.

((Brido of Colorado Peris) Ateria maxima (10.10462) Small floods on the Col. R. With Two afterwards Ren Capril Ion Landuers Lagon, Rallow Brigh I Cal Nate: - Mignel, my Indian, many small derivatual Phalaerocorax of. (Grobally the onine ac no. 10, 583). at my camp the mouth of Hardy River, many flocks of flack comorants flew wh the never, taking affrest Course from the Dull mistead of following the Ruis as the suse of the day break and relieve it dus & Deen all along the Pelecanna crythrortynchow. Vast sand stroats of The Colorado Music at the most of their her il alicayo corrende 17th Wiese londe treat of Trigo, hole . as soon as the The receded so as no uneron the higher trans the Gross would come Staying wh the primer and lever them When Leeding They made a Tophodytes encellatus Some Muma Indeans who were Ariting for me with a net at 4th Young Cal., on Opil 4, caught the only Howded Merganser seen on the Ceolobodo Russ (no. 10,497/.

Birds of the Colorado Pevri Anas boschar . - Common evaryurhere along the Pal. Amas Strepere. - Pour of Anna americana - Commin Seen et El Rio, Pal, on At Pol. 1. April 7, 1894 Anas purolineusing. Ebundan Anac descors. The block

Anac descors. The block

A males on Legona Bl.

K. mine miles Marion June

Aryona, on Mario 21. Enjanostera. The commonest due Spatula Rypeata. Comme Safila acuta. - aloundant. Aythya affinis. Common. Aythya collaris. - Common Aharstonetta albrola - a flock en Jagoon man Juna in 2/13,1894 Engine Butide Commerce Colorado Ruir at James, Conforma les last one un set fit. Yama, Clipil 6th. Contrado at the month of Hard, bewer Where were Whousands of Them. The air uns filled shot as they passed Enich of Mun & Copy of were war dunanies hit is such patterns as the They covered the Dandbars in Company with the Velicans.

~ ~ (Brids of the Colorado River) Those that we shot were excellent exting Their quellets were commed full by the roots of a sidge or These roots were about 10-20 um in teameter and they were often full uf to the thereat . One of These resoftagae was wesenry in alcohol. The wider Daid the plant was lassing a phecina. Dendrocygna Julva. - Mer. Hittyner that one on the colorado Rivirat Grima Perizona, or Mind 10th, and could not recorrit. Col. at monument 205, suite to whend have alexand - Lolorado Ruir. Serval others were seen on the Colorado, in angona Of the month of the Carned ng- This opicies was abundant talus loculator - a few flocks seen soaring Juma, and on the head la The Dulf of California Lolannes Kentiamosus. Common on lagoous Lolorado Teurs to its money Hrdeaherodias. - Common, Ardea Egretta. abundant on the Colorado + its the war from yuma to Han Duly of California They On shot opposite the mouth of Hardy Thurs, in Donora no 10463) was getting its

(Brids of the Colorado River) Meguel, a Cooa-Pa Undean Told me that Mere 1191e of the volcanors in Lours toaliforma. Me own 2015 ral harties of blume unters who wire search to for there bluses the tank land helled a port man lights but swind the wave with not from out purficulti In This ceason & ma Els "un valuable Ardea pandedissima. Homel with the freeding ofecies. Avden rufezeens. - Hloells Jen in the Polorado ut mornment 205 mid on Halt Lugor at the Austonia Dies southword Ardea tricolor ruficollis. June floots were seen on the Pologado from Yours to the xield Ardea vinicous - a few on Eagrons of Ciclomdoff Mcheorax n. nasirus. - Very aboundant slong the Roloxado, poperally lagornoy ast the head. of the Guld of Calif. rus micalcana - Hocks seen at the Colorado Mear mouneut 205 and about the riouth of the River during Many Galininia Calenta - Topaur an infroms of col. K. both y Aides during month april Julies americana Evry= Eleurostra americana Common on slues about

(Dries of Rolorado Ruir.) Malenago de heata, Common Malenago de heata, Common Macror lamplus sedo faceux florkera lagor as fus Coaria, Donora, in the Col. March 29 + 30 1894

Fringa minutella Chundrut,
Eren et Lizhter exercia,
afril 24+ 30, 1294 Ennoue. Lotains mulanolencus. Kommon Som Juna to the mouth of the Colorado ciurnic, march. Totamus toletarius and two or injams of Col R. in March. Symphemia De morriala.

Heavel To be this

seemed to be this a few seen at mouth of Colorado Kwin in Morrey Actilis macularia Common along The Colorado Risas from Juna to its mouth Finner Morel umenuis longisostris. -Aloeks seen on the Colones River apposite to the month of Hardy River, in Souver In March. First seen on Moral 29th, 1894. 4- gialets vocipera Commun I everywhere. gralités mosa - Levo Deen on March 29 on a soundbar at lide water on the Colorado Max month of Hardy Ruan no. 10465%. gialitis serufatuala. First sem at Las tearpa, Donora, april 29+ 30 to

(Brids of the Colorado Pewis) Coalutoila gandrie - las is in only quail nesse Grena to the resorth of the Holomody Plusa. Senaidura marroura - Moderato Colimbagollina]. Lablescens: - Q' Lew on the Col, mean our camp at mornine Cathartes aura - abundant tithe Sulf. Coveres hudsomis Commers upon the vast savanues bordering the mouth of the nich. Probably continue Telox abundant Parabuteo u jarrisi. The Rather Day of got one Aluro Eggs from a nest dupposed to be of Mus Species at nomule Ur. 204, March 2,3,1894 Me other egg was broken by Hackborth. Nest in Minick to randers of serubly willow 10 H. above fromd Harris's Hawk is ni The habit of huntring mi small bounds . It rellers a Good Cry Recular to that The Red-tail. It was found on the Colonado almost to the month of the to Rio Atardy des far as there were mesquiles.

(Birds of the Coolondo River.) Bules Corralio calurus, - Common to The July or Brigdie. (Swanson's, Unibelonga und & Haleo mexicains. - One or lubilling Falce 2, d'exertiencus. - Common.
Turong march Arone Juna
Arthe Venel -(Volyborns not seem! Candion h. Rarolmenois. Out seen on the California side af the Colorado near ald It. Y mua afril 7th. Bubo V. suborctions - Comma from Your to the world Spootsto e, histogaea. Oul Common from Juna to Coloma Dias. Ceryle aleyon I Deen From Ymma to the Sulf in March, but reures. The little Fexan Kingfisher was Jooked for hirryewhere but not been. ryobales P. barrdi. Loneur from Dila Cety to Young down the colorado as Lunber to near Man Welanespes Gropygralis. Common from Youra near the revermouth Colaptes cafer Colonia

.... Birds of Colorado Plusia) 17m. Holquer thoughthe Daw Colaptes shuggardes March 30th & Daw regre of them west of the shea nuts (E. side). Chardeiles sexousis. First seen at monument 204 o March. 13th Common by the 18th. Common at the Gelf. Inochilus alexandr' leas (March 6) to the Gelf all Mironey hland. no other Hummer extentified Tyrannus verticalis. Horst near between Juna + Mr. Corner March 13 (one fair) Mot Jeen agam mutil to the Guely Mafret Det Sayornis saya - Veny common at young Murch 5, but the mignets soon passed on. Que pair runamed and brid in the old Loot Ougonis magricais - Common Empedonax hammonde - First ason at Juma, Espel 6th. Procephalis r. mexicamis Your common from Clokoris Hound on bare spots fra Juma to Rolonia Diaz March 5 to to 29th I no Jays on the Lower Col.

Birds of the Colorado River ? alving Corvus munel erour was shot at anomune a 204, on ??! truy hiving here paid en had beau a flock of them there all writer. Common from Juna the Shelf of Call Puis ou the multie of the Grown Desert Moloftines ale doscures. abundant from Juna March 5 \$ 29,1894. Agelanies hi somonausis. At the Gulf, a.gubranator was Gooked form Varoyh marely from
Thema to the Gelf of Cal
Televis bullocki. First
Leen at Colonia Did
(one male) on marel 24. Common after That from Gulf of Cal, & Juna on bother order of the Riv. Coleeophagus Refaurcephale Common at your March 6 to 13. Ween at Colomia Diaz Maret 24. Not seen afterwards authocephalus xauttoaflu Common from france 5th April 7th, Both Sides IV. Carpodacus mexiconus y vontalis Your to the July of Cul. Spinner prailrea ingo int - Ching

Birds of the Colorado Kiri) Andreshiza bilineata - 12
Low there seen on the conformation of the formation of the contract of the seva deuris: Common a rose t Tuna, Are some seems in Mersel. A four south as the fater as a factor as in . of. certail and aleas Melospiga of fallex: Proof the most characteristic River from Your to the month of the ower. M. L. montura was hot Melospia lincolni. Commo Milo chaming: - a few Colorado. Last seen March 23 at monument 204. Vishilo abarti - The most Dhuracleristic Vianous from from the Sucak Colora do Fowhers were seen [no other Fowhers were seen Ino Cardinalis or Pyrhuloxiasa. Petrochelidon limitirons. Fires March 9 5, 1894. afterwards Coouseonally deen as faring ast Gulf of Californic Chelidon orythrogaster. a flack seen at Yama, Caryona, on March 17th Hu frist seen. Oflewards Common to the Brises at Jung Engona

Wird 2 of the Col. R. 1 Wach, coneta lacolor - a few work agen amongst this Wide the survey ist thrown, en in our on Turner 20. High ween at Konouta L'entora unto (see notes) Tachyometa thalasonia - First afterwart - > The guiloflary som period Commen a the Colorado Thrate the month. Praduatepla neters. - Very Gha reteristie & abundant Gedow the mistelor Lanies Le exentitordes -Hering with after Received to like lucial. Herst Iren at monument 2014, a- March 14. Helmunthophila r. gullmalis. Hurst Deen at Mina, Cal. April 6th Recumbullata P. Julescens Fuit from Jam " Colonia Drag. alundant when the leaves Come on the wellows + mes quites during in first Merk of openil. Donder ea oestein concrana Fust Lee, at Joma, Cal, on Phil 6 th. One male Quedroce andubori. Comme The Gulf. Hand of

(Brids of the Colorado River) Dendroien migreseeus - Trist o April 1st, 1894, Porman Beother is lucius over loutalis -Entre la summer on the Colomoto during "tante. Colomia Cara, Donora.

Colomia Cara, Donora.

Colomia Cara, Donora.

Colomia Cara de Juneal de Colomia a Cara de Colomia a Cara de Colomia a Cara de Colomia a Cara de Colomia de Cara de Anthus houselvanceus.

coinno-sland the

colorado in flootis

frame to the

warmouth in March. Oroscoples mondanus. Common at y uma, Bri. Throng & March March Labundant in 15 The Aresannas about There one was heard vin lating the notes of nevaral Knido af Blion on teach ortyndens presalis. Lommon along the Colorado Branding from Janu Bithe month ofthe R. West of the X Ila Ills.] decleration brunner capillas. Marzedo commonly Arom Umma Donkhward Dalprinotes obsoletus - a few seen march 23+24 logheran the international in Donora, frequenting Migh aandhills.

Whenter of the Colorado Ruin) and a chargena sade a Abolio is standard. Ca in sain, onia we de Pro-There to a ital-gamiled Chenha / ho 37)) rest a 12 cens - 1 d'icila" et C. C. idre : idea; Proposis chi raphie / 1000, 1900, expense (montes) ir a asilytion in the a the glat counts, return to former Desert Cym believes the Good of unrand the Thee Mountains. Fr. uncomest a justilizy as a dense fronte i con e, of Baccharis no, 408 , 2 , 57 y 3 have = The cong is Sunt Col. Dela The Sulfact Californa, a Exhour of the on March 23 at the on March 23 at two days later some were Dien below Poloma Cear . Heomen in flows Populus monolistra (ho. The Collowoods wen

(Plants of the toolorado river) The large when we reacted idender on the 2 hours of the town length of the worlder - ust span in the and the of march, and the and if the most The samer Tries measured over a meter in themeter & urr 200 chies 20 welessigh Danbucus - The Elin the frows sparyly along is commonly cultivated rative tree or the Tanla (com + Pellito tercet in Com a a. Our sopris juliston. - about Orma most of the trees masses of rustletor. Truster der to a prostrate blasch (a common, short tore to handle)

Couls of the singdo Him ! buyer in the Some Persone Barrania in men the without the that the rate of a como recomo y tel s and the state of t 13, h 20 5 harman rances Gul of Cardon the Mesquite we East; but the mesoning fort with fre bourse Prosepsis pulasceus. The Delever Been . The Sila from do, e soi ple sto to Baccharis - One an two The Cotorado below Sourd Builed Courte

Vento at 2 (is made liver) the strong to the first 2 th my the latence about hills west int infuld siet 2 me one of the soundant CNO. 4191. guera or i southered, in the last sede to the cal sede m. Colorado rion helle - le everse the regard the resa Lind to the Sila, Allo. Chinasantres deflexus .. Il my course amarante overflowed Parela The height of 2 % 5 wieters It is often associated with the Dound bear Willow them. Calle feed extensivily in this wind caling com on in dead, ceapless Tend Hasel (no. 409/) Not seen near jung)

I Leut Fith (Colombo Piers) A price of the the Sull to so be the fact of the son t ruming during Market way the Court is relably eserced for E devated from to. 0.2 Jeures in comme (12.263). Jangle? 1) re. 379). This

formers in Corregion you the Colorado trainer lama It was - not seen at Ductoraquit at Jule Wells, Sedo de, de Cf Ht I wow got & Tela / sends large engel late on de Ca of Colorado. The mas only seen in the California vale at. Aleway yellow and what from wood. - This the Deen dise where on 14 2 tout and to tout , 0 Note - The rost Jarames

(Penuls of the Colorado River) of the doracle liner en & (m = 2/ 20 4/1). sere use in rach Come to a les, ent often ialities of "cassera" (no 4/12/ ... congers on luke make & A design sorming in min. of it lagrano it made Granday line loughes tat nimment 205 Then are extensiva owarblato correct My a evase 15/ge of the genus to theres.

Soluciaro : C. grganteus Pitaia or E E Pilihaia Chinita & Cholla . Eyludropuntia Juna . Plato untra Vignaga. Edunocactus wishizeni alcoholie 268 last no. coll. at Fet. Fourell. allitude of Poso de Luis 2375 feet " : (1 reading @ a. ru) Sonoyta. 1700 ft.
" " (" & P. M.) Lutoraquito. 1550 Tilis ligre - Mr. Dorsey saw one, at I Plones, Sonora, Stof Maris All. Ries a 3-year-old harre, at a rodes in the presence of secret vaqueros, who hunted it down with dogs. It bayed on a rock with dogs. It bayed on a rock of the parties of the boundary line.

This portion of the boundary line.

Mountain sheep or Big-Horn. Mex. nous cimarrote or smarson cruia (= tof of mt.?), smin (= base of rut?). Was Killed by a Mexican in the Huachnea Ulter anyona, in 1890. a red-backed Squirel Fraud to how been shot by a Aunter in Och Cañon, Huachuca Mts. ariz on Cet. 10, 1893 Probably the winter phase of S. arizonensis. Antrostonius arijonae was heard in Weller's Carion on Oct, 17, 1893. Plants at Poso de Luis. Fron Wood "and 2 Spices of Palo Verde. reaseword ("Hediondilla.") Wohelella [no oaks and no com serve. Populus monolifera; few plantols Salix mojoa. - Er few planted? Prosopsis julistora - Common Acacia : Frez; specimens latter Baecharis Attronoides arroyo Concumilo (gourd) palmete leaved of Soluaro : le granteus Bouvardiatrophylla. Honquera & lendens-abandant Vincea baccata, - awl mr. yweca (narrow-leaved) Dasilyrion Wheeleri, -700. Amaranters deflexas. - Rankfrag Laublum Canadensis Datura metalordes teaetaceae Opuntia (Platopuntia). Specimen. Large, coass species; no specime Ceruis giganteus - Obundant Ceruis thurberi 1, "Pitaia") Frist ocen at This camp. Uplemands commer, on Maris Mits and all around Sonoyta on the hels ruits. In building voofs, the Mexicans heavy howbers of "palo vardi then crosspices of "Pitaia", which is strong and bends well, then sohward" poles: laid at right angles a thatch of "tule" with balled mild over all. This master an excellent vor Edunocador uisligeni - Commo Used in making candy. Useful to havillers and a count of the Water or contains. opieis with yellow spines. Ceruis_ Epuntia (Cylindro puntia) Celeolla Vin abundant Opuntia (Ceyludropuntia). The common arborescent Caetus of this region. Often 6 to 12 feet high and with spreading, drooping, fraceful habit. Small Caetus, Memmillaria?? with fine white spires and Amale sed fruit; Common.

notes on Plants of Maris Mountanis: -We camped there one my ut (Jan 8 +9,1894), and I walked in the nits. Three hours, The surrounding plan is covered with preasewood with come mesquite in hollows and watercourses. Low places (amarantus de flexus). In places. the Alains between navisand Paso de Luis Were covered With rank grass. along the lagoon at the Toot of the Navis Mountains There is a small frouth of Small mesquite, about 15 feet high barren, thouth there are greate specimens of the Potaia" and Grant Cereusas, with coarse prickly pears ceruses. The ochetellars some forwood and paloverde Two oficies of arboses cont Caylindropuntia's are very abundant and large Signed.

